

ABSTRACT

A nozzle arrangement for an ink jet printhead includes a wafer substrate having a nozzle chamber defined therein. The nozzle arrangement has a nozzle chamber wall that defines an ink ejection port and a rim about the ink ejection port. A series of radially positioned actuators are connected to the wafer substrate and extend radially inwardly towards the rim. Each actuator is configured so that a radially inner edge of each actuator is displaceable, with respect to the nozzle rim, into the chamber, upon actuation of the actuator and so that, upon such displacement, a pressure within the nozzle chamber is increased, resulting in the ejection of ink from the ejection port.

09354714-051401